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<input type="checkbox"/>	L41	L40 and (709/227).ccls.	26
<input type="checkbox"/>	L40	L39 and 709/2\$\$ccls.	277
<input type="checkbox"/>	L39	L37 and L28	709
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☐ L33 L32 and 705/1\$.ccls. 5

☐ L32 L31 and 709/2\$\$ccls. 481

☐ L31 (manag\$4 or control\$4 or supervis\$4) same (resource\$ or data or information) and ((monitor\$ same (avail\$4 or status)) and (email or e-mail or electronic mail) near4 server) 1692

☐ L30 L29 0

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☐ L29 (manag\$4 or control\$4 or supervis\$4) same (resource\$ or data or information) and ((monitor\$ same (avail\$4 or status)) and (email or e-mail or electronic mail) near4 server) 0

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☐ L28 (manag\$4 or control\$4 or supervis\$4) same (resource\$ or data or information) and ((monitor\$ same (avail\$4 or status)) and (email or e-mail or electronic mail) near4 server) 709

☐ L27 L26 and (370/338).ccls. 0

☐ L26 L24 and 709/2\$\$ccls. 33

☐ L25 L24 and (709/206).ccls. 5

☐ L24 L22 and (convert\$ or chang\$) same (pic or picture or image\$) and (warn\$ or inform\$) 75

☐ L23 L22 and (convert\$ or chang\$) same (pic or picture or image\$) 75

☐ L22 (email or e-mail or electronic mail) same (manipulat\$ or modify\$4 or edit\$4) and header\$ and body and (network or internet) and (check\$ same (storage or memory)) 138

☐ L21 (email or e-mail or electronic mail) adj3 (sent or delivered) same (detect\$4 same access\$3) and remot\$4 and delet\$3 3

☐ L20 (email or e-mail or electronic mail) adj3 (sent or delivered) same (detect\$4 same access\$3) and remot\$4 and (delet\$3 same body) 0

☐ L19 (email or e-mail or electronic mail) adj3 (sent or delivered) same (detect\$4 same access\$3) and (remot\$4 same modif\$4) 1

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☐ L17 (email or e-mail or electronic mail) adj3 (sent or delivered) same (monitor\$4 same access\$3) and modif\$4 29

☐ L16 L15 and (709/223).ccls. 3

☐ L15 (email or e-mail or electronic mail) adj3 (sent or delivered) same (monitor\$4 same access\$3) and status 40

☐ L14 L13 and 709/2\$\$ccls. 16

☐ L13 (email or e-mail or electronic mail) adj3 (sent or delivered) same (monitor\$4 same access\$3) 52

☐ L12 L9 and 705/1\$.ccls. 10

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<input type="checkbox"/>	L4	L2 and (709/206).ccls.	95
<input type="checkbox"/>	L3	client and server	30261
<input type="checkbox"/>	L2	(email or e-mail or electronic mail) same (sent or delivered) same (manipulat\$ or modify\$4 or edit\$4)	503
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IEE CNF IEE Conference Proceeding

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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. **Novel applications of cryptography in digital communications**
Omura, J.K.;
Communications Magazine, IEEE
Volume 28, Issue 5, May 1990 Page(s):21 - 29
Digital Object Identifier 10.1109/35.54344
[AbstractPlus](#) | Full Text: [PDF](#)(1008 KB) IEEE JNL
- ☐ 2. **A survey of encryption standards**
Kaliski, B.;
Micro, IEEE
Volume 13, Issue 6, Dec. 1993 Page(s):74 - 81
Digital Object Identifier 10.1109/40.248057
[AbstractPlus](#) | Full Text: [PDF](#)(664 KB) IEEE JNL
- ☐ 3. **Formal development of secure email**
Dan Zhou; Kuo, J.C.; Older, S.; Chin, S.K.;
System Sciences, 1999. HICSS-32. Proceedings of the 32nd Annual Hawaii International Conference on
Volume Track3, 5-8 Jan. 1999 Page(s):10 pp.
Digital Object Identifier 10.1109/HICSS.1999.772903
[AbstractPlus](#) | Full Text: [PDF](#)(140 KB) IEEE CNF
- ☐ 4. **The trustworthy digital camera: restoring credibility to the photographic image**
Friedman, G.L.;
Consumer Electronics, IEEE Transactions on
Volume 39, Issue 4, Nov 1993 Page(s):905 - 910
Digital Object Identifier 10.1109/30.267415
[AbstractPlus](#) | Full Text: [PDF](#)(460 KB) IEEE JNL
- ☐ 5. **Trials of wireless, secure electronic mail**
Smith, D.R.; Simon, S.D.; Cautilli, L.E.;
Personal Communications, IEEE [see also IEEE Wireless Communications]
Volume 2, Issue 4, Aug. 1995 Page(s):28 - 33
Digital Object Identifier 10.1109/98.403455
[AbstractPlus](#) | Full Text: [PDF](#)(660 KB) IEEE JNL
- ☐ 6. **A framework for tamper detection marking of mobile applications**

Jochen, M.; Marvel, L.M.; Pollock, L.L.;
Software Reliability Engineering, 2003. ISSRE 2003. 14th International Sympto
17-20 Nov. 2003 Page(s):143 - 153
Digital Object Identifier 10.1109/ISSRE.2003.1251038
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- ☐ **7. Memory management of density-based spam detector**
Yoshida, K.; Adachi, F.; Washio, T.; Motoda, H.; Homma, T.; Nakashima, A.; F
Yamazaki, K.;
Applications and the Internet, 2005. Proceedings. The 2005 Symposium on
31 Jan.-4 Feb. 2005 Page(s):370 - 376
Digital Object Identifier 10.1109/SAINT.2005.38
[AbstractPlus](#) | Full Text: [PDF](#)(312 KB) IEEE CNF
- ☐ **8. Certified exchange of electronic mail (CEEM)**
Al-Hammadi, B.; Shamsavari, M.;
Southeastcon '99. Proceedings. IEEE
25-28 March 1999 Page(s):40 - 43
Digital Object Identifier 10.1109/SECON.1999.766087
[AbstractPlus](#) | Full Text: [PDF](#)(372 KB) IEEE CNF
- ☐ **9. Secure E-mail protocols providing perfect forward secrecy**
Hung-Min Sun; Bin-Tsan Hsieh; Hsin-Jia Hwang;
Communications Letters, IEEE
Volume 9, Issue 1, Jan 2005 Page(s):58 - 60
Digital Object Identifier 10.1109/LCOMM.2005.01004
[AbstractPlus](#) | Full Text: [PDF](#)(451 KB) IEEE JNL
- ☐ **10. Securing e-mail with identity-based encryption**
McCullagh, N.;
IT Professional
Volume 7, Issue 3, May-June 2005 Page(s):64, 61 - 63
Digital Object Identifier 10.1109/MITP.2005.70
[AbstractPlus](#) | Full Text: [PDF](#)(704 KB) IEEE JNL
- ☐ **11. Security-enhanced mailing lists**
Herfert, M.;
Network, IEEE
Volume 11, Issue 3, May-June 1997 Page(s):30 - 33
Digital Object Identifier 10.1109/65.587047
[AbstractPlus](#) | Full Text: [PDF](#)(440 KB) IEEE JNL
- ☐ **12. Merging and extending the PGP and PEM trust models-the ICE-TEL trust**
Chadwick, D.W.; Young, A.J.; Cicovic, N.K.;
Network, IEEE
Volume 11, Issue 3, May-June 1997 Page(s):16 - 24
Digital Object Identifier 10.1109/65.587045
[AbstractPlus](#) | Full Text: [PDF](#)(2048 KB) IEEE JNL
- ☐ **13. Fast retrieval of electronic messages that contain mistyped words or spe**
Wang, J.T.-L.; Chia-Yo Chang;
Systems, Man and Cybernetics, Part B, IEEE Transactions on
Volume 27, Issue 3, June 1997 Page(s):441 - 451
Digital Object Identifier 10.1109/3477.584951
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(624 KB) IEEE JNL
- ☐ **14. Credits and debits on the Internet**
Sirbu, M.A.;

Spectrum, IEEE
Volume 34, Issue 2, Feb. 1997 Page(s):23 - 29
Digital Object Identifier 10.1109/6.570823
[AbstractPlus](#) | Full Text: [PDF](#)(1352 KB) IEEE JNL

- ☐ **15. The spec's in the mail**
Khare, R.;
Internet Computing, IEEE
Volume 2, Issue 5, Sept.-Oct. 1998 Page(s):82 - 86
Digital Object Identifier 10.1109/4236.722234
[AbstractPlus](#) | Full Text: [PDF](#)(116 KB) IEEE JNL

- ☐ **16. Securing your e-mail**
McCandless, M.;
Intelligent Systems and Their Applications, IEEE [see also IEEE Intelligent Sys
Volume 13, Issue 5, Sept.-Oct. 1998 Page(s):2 - 5
Digital Object Identifier 10.1109/5254.722338
[AbstractPlus](#) | Full Text: [PDF](#)(540 KB) IEEE JNL

- ☐ **17. Anonymous connections and onion routing**
Reed, M.G.; Syverson, P.F.; Goldschlag, D.M.;
Selected Areas in Communications, IEEE Journal on
Volume 16, Issue 4, May 1998 Page(s):482 - 494
Digital Object Identifier 10.1109/49.668972
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(124 KB) IEEE JNL

- ☐ **18. Integrating Internet telephony services**
Wenyu Jiang; Lennox, J.; Narayanan, S.; Schulzrinne, H.; Singh, K.; Xiaotao V
Internet Computing, IEEE
Volume 6, Issue 3, May-June 2002 Page(s):64 - 72
Digital Object Identifier 10.1109/MIC.2002.1003133
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(445 KB) IEEE JNL

- ☐ **19. Unifying user-to-user messaging systems**
Wams, J.-M.S.; van Steen, M.;
Internet Computing, IEEE
Volume 8, Issue 2, March-April 2004 Page(s):76 - 82
Digital Object Identifier 10.1109/MIC.2004.1273489
[AbstractPlus](#) | Full Text: [PDF](#)(408 KB) IEEE JNL

- ☐ **20. Flaws in an e-mail protocol of Sun, Hsieh, and Hwang**
Dent, A.W.;
Communications Letters, IEEE
Volume 9, Issue 8, Aug 2005 Page(s):718 - 719
Digital Object Identifier 10.1109/LCOMM.2005.1496593
[AbstractPlus](#) | Full Text: [PDF](#)(129 KB) IEEE JNL

- ☐ **21. Web-based systems for communication and scheduling**
ElAarag, H.; Hartford, R.;
Professional Communication Conference, 2003. IPCC 2003. Proceedings. IEE
21-24 Sept. 2003 Page(s):8 pp.
Digital Object Identifier 10.1109/IPCC.2003.1245491
[AbstractPlus](#) | Full Text: [PDF](#)(532 KB) IEEE CNF

- ☐ **22. The media messenger**
McGeer, R.; Raab, A.; Rueger, M.;
Creating, Connecting and Collaborating through Computing, 2005. C5 2005. T
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28-29 Jan. 2005 Page(s):101 - 107
Digital Object Identifier 10.1109/C5.2005.30
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- ☐ **23. Using predators to combat worms and viruses: a simulation-based study**
Gupta, A.; DuVarney, D.C.;
Computer Security Applications Conference, 2004. 20th Annual
6-10 Dec. 2004 Page(s):116 - 125
Digital Object Identifier 10.1109/CSAC.2004.47
[AbstractPlus](#) | Full Text: [PDF\(648 KB\)](#) IEEE CNF
- ☐ **24. Experience with evaluating human-assisted recovery processes**
Brown, A.B.; Chung, L.; Kakes, W.; Ling, C.; Patterson, D.A.;
Dependable Systems and Networks, 2004 International Conference on
28 June-1 July 2004 Page(s):405 - 410
Digital Object Identifier 10.1109/DSN.2004.1311910
[AbstractPlus](#) | Full Text: [PDF\(299 KB\)](#) IEEE CNF
- ☐ **25. Morphologic non-word error detection**
Bressan, S.; Irawan, R.;
Database and Expert Systems Applications, 2004. Proceedings. 15th Internati
30 Aug.-3 Sept. 2004 Page(s):31 - 35
Digital Object Identifier 10.1109/DEXA.2004.1333445
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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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- ☐ **26. Design and implementation of smartcard-based secure e-mail communic**
 Hsien-Hau Chen; Yung-Sheng Chen; Hsia-Ling Chiang; Chung-Huang Yang;
 Security Technology, 2003. Proceedings. IEEE 37th Annual 2003 International Conference on
 14-16 Oct. 2003 Page(s):225 - 231
 Digital Object Identifier 10.1109/CCST.2003.1297564
[AbstractPlus](#) | Full Text: [PDF](#)(1549 KB) IEEE CNF
- ☐ **27. Incorporating dynamic behavior in SMTP**
 Siddiqui, S.A.; Alvi, J.A.;
 TENCON 2003. Conference on Convergent Technologies for Asia-Pacific Region
 Volume 4, 15-17 Oct. 2003 Page(s):1293 - 1297 Vol.4
 Digital Object Identifier 10.1109/TENCON.2003.1273124
[AbstractPlus](#) | Full Text: [PDF](#)(468 KB) IEEE CNF
- ☐ **28. A certified e-mail protocol suitable for mobile environments**
 Park, J.M.; Ray, I.; Chong, E.K.P.; Siegel, H.J.;
 Global Telecommunications Conference, 2003. GLOBECOM '03. IEEE
 Volume 3, 1-5 Dec. 2003 Page(s):1394 - 1398 vol.3
 Digital Object Identifier 10.1109/GLOCOM.2003.1258467
[AbstractPlus](#) | Full Text: [PDF](#)(362 KB) IEEE CNF
- ☐ **29. A historic name-trail service**
 Maniatis, P.; Baker, M.;
 Mobile Computing Systems and Applications, 2003. Proceedings. Fifth IEEE V
 9-10 Oct. 2003 Page(s):88 - 99
[AbstractPlus](#) | Full Text: [PDF](#)(338 KB) IEEE CNF
- ☐ **30. Certified e-mail systems using public notice board**
 Imamoto, K.; Sakurai, K.;
 Database and Expert Systems Applications, 2003. Proceedings. 14th International
 1-5 Sept. 2003 Page(s):460 - 464
 Digital Object Identifier 10.1109/DEXA.2003.1232065
[AbstractPlus](#) | Full Text: [PDF](#)(249 KB) IEEE CNF
- ☐ **31. Secure and resilient peer-to-peer e-mail design and implementation**
 Kangasharju, J.; Ross, K.W.; Turner, D.A.;

Peer-to-Peer Computing, 2003. (P2P 2003). Proceedings. Third International (1-3 Sept. 2003 Page(s):184 - 191

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- ☐ **32. Are e-commerce users defenceless?**
Trampus, M.; Ciglaric, M.; Pancur, M.; Vidmar, T.;
Parallel and Distributed Processing Symposium, 2003. Proceedings. Internatic
22-26 April 2003 Page(s):7 pp.
Digital Object Identifier 10.1109/IPDPS.2003.1213442
[AbstractPlus](#) | Full Text: [PDF](#)(460 KB) IEEE CNF
- ☐ **33. Restoration and audit of Internet e-mail based on TCP stream reassembl**
Wang Zhimin; Jia Xiaolin;
Communication Technology Proceedings, 2003. ICCT 2003. International Con
Volume 1, 9-11 April 2003 Page(s):368 - 371 vol.1
Digital Object Identifier 10.1109/ICCT.2003.1209100
[AbstractPlus](#) | Full Text: [PDF](#)(315 KB) IEEE CNF
- ☐ **34. IPSec overhead in wireline and wireless networks for Web and email app**
Hadjichristofi, G.C.; Davis, N.J., IV; Midkiff, S.F.;
Performance, Computing, and Communications Conference, 2003. Conferenc
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9-11 April 2003 Page(s):543 - 547
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- ☐ **35. Fault-tolerant mesh of trust applied to DNS security**
Griffin, W.; Mundy, R.; Weiler, S.; Massey, D.; Vora, N.;
DARPA Information Survivability Conference and Exposition, 2003. Proceedin
Volume 2, 22-24 April 2003 Page(s):84 - 86 vol.2
Digital Object Identifier 10.1109/DISCEX.2003.1194928
[AbstractPlus](#) | Full Text: [PDF](#)(1059 KB) IEEE CNF
- ☐ **36. Mobile IP and WLAN with AAA authentication protocol using identity-bas**
Byung-Gil Lee; Doo-Ho Choi; Hyun-Gon Kim; Seung-Won Sohn; Kil-Houm Pai
Telecommunications, 2003. ICT 2003. 10th International Conference on
Volume 1, 23 Feb.-1 March 2003 Page(s):597 - 603 vol.1
Digital Object Identifier 10.1109/ICTEL.2003.1191477
[AbstractPlus](#) | Full Text: [PDF](#)(488 KB) IEEE CNF
- ☐ **37. Certified email: design and implementation of a new optimistic protocol**
Blundo, C.; Cimato, S.; De Prisco, R.;
Computers and Communication, 2003. (ISCC 2003). Proceedings. Eighth IEEE
Symposium on
2003 Page(s):828 - 833 vol.2
Digital Object Identifier 10.1109/ISCC.2003.1214220
[AbstractPlus](#) | Full Text: [PDF](#)(343 KB) IEEE CNF
- ☐ **38. Off-the-record email system**
Henry, P.; Hui Luo;
INFOCOM 2001. Twentieth Annual Joint Conference of the IEEE Computer ar
Communications Societies. Proceedings. IEEE
Volume 2, 22-26 April 2001 Page(s):869 - 877 vol.2
Digital Object Identifier 10.1109/INFCOM.2001.916278
[AbstractPlus](#) | Full Text: [PDF](#)(128 KB) IEEE CNF
- ☐ **39. Document warehousing based on a multimedia database system**
Ishikawa, H.; Kubota, K.; Noguchi, Y.; Kato, K.; Ono, M.; Yoshizawa, N.; Kanei
Data Engineering, 1999. Proceedings., 15th International Conference on

23-26 March 1999 Page(s):168 - 173
Digital Object Identifier 10.1109/ICDE.1999.754921
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- ☐ **40. A cache architecture for modernizing the Usenet infrastructure**
Gschwind, T.; Hauswirth, M.;
System Sciences, 1999. HICSS-32. Proceedings of the 32nd Annual Hawaii In
Conference on
Volume Track8, 5-8 Jan. 1999 Page(s):9 pp.
Digital Object Identifier 10.1109/HICSS.1999.773041
[AbstractPlus](#) | Full Text: [PDF](#)(144 KB) IEEE CNF
- ☐ **41. A certified e-mail protocol**
Schneier, B.; Riordan, J.;
Computer Security Applications Conference, 1998, Proceedings., 14th Annual
7-11 Dec. 1998 Page(s):347 - 352
Digital Object Identifier 10.1109/CSAC.1998.738655
[AbstractPlus](#) | Full Text: [PDF](#)(152 KB) IEEE CNF
- ☐ **42. A smartcard-based framework for secure document exchange**
Chung-Huang Yang; Shy-Ming Ju; Rao, T.R.N.;
Security Technology, 1998. Proceedings., 32nd Annual 1998 International Car
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12-14 Oct. 1998 Page(s):93 - 96
Digital Object Identifier 10.1109/CCST.1998.723772
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1 [Dealing with server corruption in weakly consistent replicated data systems](#)

Mike J. Spreitzer, Marvin M. Theimer, Karin Petersen, Alan J. Demers, Douglas B. Terry
October 1999 **Wireless Networks**, Volume 5 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(180.10 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

2 [Manageability, availability, and performance in porcupine: a highly scalable, cluster-based mail service](#)

Yasushi Saito, Brian N. Bershad, Henry M. Levy
August 2000 **ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 3

Publisher: ACM Press

Full text available: [pdf\(2.52 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes the motivation, design and performance of Porcupine, a scalable mail server. The goal of Porcupine is to provide a highly available and scalable electronic mail service using a large cluster of commodity PCs. We designed Porcupine to be easy to manage by emphasizing dynamic load balancing, automatic configuration, and graceful degradation in the presence of failures. Key to the system's manageability, availability, and performance is that sessions, data, and underlying ...

Keywords: cluster, distributed systems, email, group membership protocol, load balancing, replication



3 [Lazy replication: exploiting the semantics of distributed services](#)



Rivka Ladin, Barbara Liskov, Liuba Shrira
August 1990 **Proceedings of the ninth annual ACM symposium on Principles of distributed computing**

Publisher: ACM Press

Full text available: [pdf\(2.01 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



4 [Ticket based service access for the mobile user](#)



-  Bhrat Patel, Jon Crowcroft
September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available:  [pdf\(1.52 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 5 Providing high availability using lazy replication 
Rivka Ladin, Barbara Liskov, Liuba Shrira, Sanjay Ghemawat
November 1992 **ACM Transactions on Computer Systems (TOCS)**, Volume 10 Issue 4
Publisher: ACM Press
Full text available:  [pdf\(2.46 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


To provide high availability for services such as mail or bulletin boards, data must be replicated. One way to guarantee consistency of replicated data is to force service operations to occur in the same order at all sites, but this approach is expensive. For some applications a weaker causal operation order can preserve consistency while providing better performance. This paper describes a new way of implementing causal operations. Our technique also supports two other kinds of operations: ...

Keywords: client/server architecture, fault tolerance, group communication, high availability, operation ordering, replication, scalability, semantics of application

- 6 Dealing with server corruption in weakly consistent, replicated data systems 
Mike J. Spreitzer, Marvin M. Theimer, Karin Petersen, Alan J. Demers, Douglas B. Terry
September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available:  [pdf\(1.14 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 7 Manageability, availability and performance in Porcupine: a highly scalable, cluster-based mail service 
Yasushi Saito, Brian N. Bershad, Henry M. Levy
December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP '99**, Volume 33 Issue 5
Publisher: ACM Press
Full text available:  [pdf\(1.62 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the motivation, design, and performance of Porcupine, a scalable mail server. The goal of Porcupine is to provide a highly available and scalable electronic mail service using a large cluster of commodity PCs. We designed Porcupine to be easy to manage by emphasizing dynamic load balancing, automatic configuration, and graceful degradation in the presence of failures. Key to the system's manageability, availability, and performance is that sessions, data, and underlying serv ...

- 8 Unlinkable serial transactions: protocols and applications 
Stuart G. Stubblebine, Paul F. Syverson, David M. Goldschlag
November 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 4
Publisher: ACM Press

Full text available:  pdf(184.87 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#), [review](#)

We present a protocol for unlinkable serial transactions suitable for a variety of network-based subscription services. It is the first protocol to use cryptographic blinding to enable subscription services. The protocol prevents the service from tracking the behavior of its customers, while protecting the service vendor from abuse due to simultaneous or cloned use by a single subscriber. Our basic protocol structure and recovery protocol are robust against failure in protocol termination. ...

Keywords: anonymity, blinding, cryptographic protocols, unlinkable serial transactions


9 [The state of the art in locally distributed Web-server systems](#)



Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu

June 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 2

Publisher: ACM Press

Full text available:  pdf(1.41 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

The overall increase in traffic on the World Wide Web is augmenting user-perceived response times from popular Web sites, especially in conjunction with special events. System platforms that do not replicate information content cannot provide the needed scalability to handle large traffic volumes and to match rapid and dramatic changes in the number of clients. The need to improve the performance of Web-based services has produced a variety of novel content delivery architectures. This article w ...


Keywords: Client/server, World Wide Web, cluster-based architectures, dispatching algorithms, distributed systems, load balancing, routing mechanisms

10 [An architecture for secure wide-area service discovery](#)

Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Randy H. Katz

March 2002 **Wireless Networks**, Volume 8 Issue 2/3

Publisher: Kluwer Academic Publishers

Full text available:  pdf(365.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

The widespread deployment of inexpensive communications technology, computational resources in the networking infrastructure, and network-enabled end devices poses an interesting problem for end users: how to locate a particular network service or device out of hundreds of thousands of accessible services and devices. This paper presents the architecture and implementation of a secure wide-area Service Discovery Service (SDS). Service providers use the SDS to advertise descriptions of available ...

Keywords: location services, name lookup, network protocols, service discovery

11 [The architecture of robust publishing systems](#)



Marc Waldman, Aviel D. Rubin, Lorrie Faith Cranor

November 2001 **ACM Transactions on Internet Technology (TOIT)**, Volume 1 Issue 2

Publisher: ACM Press


Full text available:  pdf(680.21 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Internet in its present form does not protect content from censorship. It is straightforward to trace any document back to a specific Web server, and usually directly to an individual. As we discuss below, there are valid reasons for publishing a document in

a censorship-resistant manner. Unfortunately, few tools exist that facilitate this form of publishing. We describe the architecture of robust systems for publishing content on the Web. The discussion is in the context of Publius, as that ...

Keywords: Censorship resistance, Web publishing

12 Rover: a toolkit for mobile information access

 A. D. Joseph, A. F. de Lespinasse, J. A. Tauber, D. K. Gifford, M. F. Kaashoek
December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles SOSP '95**, Volume 29
Issue 5

Publisher: ACM Press

Full text available:  [pdf\(2.18 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

13 BIBDB: a bibliographic database for collaboration

 David J. Musliner, James W. Dolter, Kang G. Shin
December 1992 **Proceedings of the 1992 ACM conference on Computer-supported cooperative work**

Publisher: ACM Press


Full text available:  [pdf\(935.84 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: bibliographic databases, collaborative writing, distributed & replicated databases, incremental indexing, partial locking, relaxed consistency

14 Practical byzantine fault tolerance and proactive recovery

 Miguel Castro, Barbara Liskov
November 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(1.63 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Our growing reliance on online services accessible on the Internet demands highly available systems that provide correct service without interruptions. Software bugs, operator mistakes, and malicious attacks are a major cause of service interruptions and they can cause arbitrary behavior, that is, Byzantine faults. This article describes a new replication algorithm, BFT, that can be used to build highly available systems that tolerate Byzantine faults. BFT can be used in practice to implement re ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive recovery, state machine replication, state transfer

15 A survey of peer-to-peer content distribution technologies

 Stephanos Androutsellis-Theotokis, Diomidis Spinellis
December 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(517.77 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Distributed computer architectures labeled "peer-to-peer" are designed for the sharing of computer resources (content, storage, CPU cycles) by direct exchange, rather than requiring the intermediation or support of a centralized server or authority. Peer-to-peer

architectures are characterized by their ability to adapt to failures and accommodate transient populations of nodes while maintaining acceptable connectivity and performance. Content distribution is an important peer-to-peer application ...

Keywords: Content distribution, DHT, DOLR, grid computing, p2p, peer-to-peer

16 Programming languages for distributed computing systems



Henri E. Bal, Jennifer G. Steiner, Andrew S. Tanenbaum
September 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 3

Publisher: ACM Press

Full text available: pdf(6.50 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#), [review](#)

When distributed systems first appeared, they were programmed in traditional sequential languages, usually with the addition of a few library procedures for sending and receiving messages. As distributed applications became more commonplace and more sophisticated, this ad hoc approach became less satisfactory. Researchers all over the world began designing new programming languages specifically for implementing distributed applications. These languages and their history, their underlying pr ...

17 On-line e-wallet system with decentralized credential keepers

Stig Frode Mjøl̂snes, Chunming Rong
February 2003 **Mobile Networks and Applications**, Volume 8 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(240.23 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose a generalization of the architecture of an electronic wallet, as first developed in the seminal European research project CAFE. With this model you can leave most of the content of your electronic wallet at the security of your residential electronic keeper, while roaming with your favorite mobile terminals. Emerging mobile handsets with both short range Bluetooth and cellular GPRS communications provide a sufficient communication platform for this electronic wallet architecture. Howe ...

Keywords: digital credentials, e-wallet architecture, mobile commerce, payment protocols, privacy

18 Defending against an Internet-based attack on the physical world



Simon Byers, Aviel D. Rubin, David Kormann
November 2002 **Proceedings of the 2002 ACM workshop on Privacy in the Electronic Society**

Publisher: ACM Press

Full text available: pdf(201.19 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We discuss the dangers that scalable Internet functionality may present to the real world, focusing on a simple yet impactful attack that we believe may occur quite soon. We offer and critique various solutions to this class of attack and hope to provide a warning to the Internet community of what is currently possible. The attack is, to some degree, a consequence of the availability of private information on the Web, and the increase in the amount of personal information that users must reveal ...

Keywords: Internet Threats, automated attacks, computer security, comuter security, cybercrime, internet threats



Defending against an Internet-based attack on the physical world

Simon Byers, Aviel D. Rubin, David Kormann

August 2004 **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 3

Publisher: ACM Press

Full text available: pdf(863.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We discuss the dangers that scalable Internet functionality may present to the real world, focusing upon an attack that is simple, yet can have great impact, which we believe may occur quite soon. We offer and critique various solutions to this class of attack and hope to provide a warning to the Internet community of what is currently possible. The attack is, to some degree, a consequence of the availability of private information on the Web, and the increase in the amount of personal informati ...

Keywords: Internet threats, automated attacks, cybercrime

20 The session token protocol for forensics and traceback



Brian Carrier, Clay Shields

August 2004 **ACM Transactions on Information and System Security (TISSEC)**, Volume 7 Issue 3

Publisher: ACM Press

Full text available: pdf(331.18 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we present the Session Token Protocol (STOP), a new protocol that can assist in the forensic analysis of a computer involved in malicious network activity. It has been designed to help automate the process of tracing attackers who log on to a series of hosts to hide their identity. STOP utilizes the Identification Protocol infrastructure, improving both its capabilities and user privacy. On request, the STOP protocol saves user-level and application-level data associated with a par ...

Keywords: Digital forensics, TCP traceback, auditing and intrusion detection, digital investigations, privacy

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RESULT LIST

0 results found in the Worldwide database for:

email and duplication in the title

(Results are sorted by date of upload in database)

Data supplied from the **esp@cenet** database - Worldwide

RESULT LIST

1 result found in the Worldwide database for:

electronic mail and similar in the title

(Results are sorted by date of upload in database)

1 Filtering electronic mail using information about similar messages

Inventor: WARREN-SMITH RODNEY FREDERICK (GB); **Applicant:** SOPHOS PLC (GB)

SZALAY AKOS (GB)

EC: H04L12/58F

IPC: *H04L12/58*; *H04L12/58*; (IPC1-7): G06F17/60
(+1)

Publication info: **GB2405229** - 2005-02-23

Data supplied from the **esp@cenet** database - Worldwide

RESULT LIST

1 result found in the Worldwide database for:
electronic mail and duplicate in the title
(Results are sorted by date of upload in database)

**1 Method and apparatus to avoid duplicate electronic mail documents
resulting from forwarding of an electronic mail document**

Inventor: PEREPA BHARGAV V (US); PEREPA SUJATHA **Applicant:** IBM (US)

(US); (+2)

EC:

IPC: G06F3/00; G06F15/16; G06F3/00 (+3)

Publication info: US2005198579 - 2005-09-08

Data supplied from the **esp@cenet** database - Worldwide